texas_merge_postmeeting

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Setup

Read in datasets (old, new, street names)

Make all NA dates in old\$date_open be 1993-01-01

Normalizer

```
replaces1 = c('north', 'east', 'west', 'south') # replacing these values with n, e, s, w, s
replacers1 = c('n', 'e', 'w', 's')
# replacing these values (full street names) with nothing
replacees2 = str_to_lower(c(street_names_abbs[[1]]),
                 street_names_abbs[[2]], "and", "temporarily closed"))
replacers2 = rep('', length(replacees2))
replacees = append(replacees1, replacees2)
replacers = append(replacers1, replacers2)
replacement = setNames(replacers, replacees) # named vector: values come from replacers, names come fro
# general sort function
sorted = function(col) {
  formatted = str_to_lower(col)
  formatted = str_replace_all(formatted, replacement) # replacing all `replacees` with `replacers`
  formatted = str_replace_all(formatted, "\\b[A-Za-z]\\b", '')
  formatted = str_replace_all(formatted, setNames(c('', ''), c('[:punct:]', ''))) # replacing punctuat
  # for each element x in f_addr, splits into each character and sorts them, then collapses them; the e
  formatted_sorted <- as.character(sapply(formatted, function(x) {</pre>
    sorted_chars <- stri_sort(strsplit(x, NULL)[[1]])</pre>
   paste(sorted_chars, collapse = '')
   }))
 return(formatted_sorted)
}
# name normalizer
```

```
sorted_names = function(col) {
    # getting all clinics that are different but have the same name
    f_name_remove = c('remote', 'wic', 'field', 'office', 'mobile', 'clinic', ' ', '-')
    f_name_pattern = paste(f_name_remove, collapse = '|')
    f_name = str_replace_all(col, f_name_pattern, '')
    f_name = sorted(f_name)
    return(f_name)
}
```

Reformats

```
Add siteid column to old
```

turn everything lowercase

```
# old = old %>% mutate(date_open = ifelse(is.na(date_open), 'In 2009 but NA', date_open))
# extracting site id from `new`
rev_new_siteid = str_replace(str_extract(new$name, '\\d*-\\d*'), '-', '')
rev_new_siteid = str_replace(rev_new_siteid, '0*', '')
rev_new_name = str_replace(new$name, '\\d*-\\d*\\s*', '')
# creating new siteid column
new = new \%
 mutate(siteid = rev_new_siteid, .before = name,
         name = rev_new_name)
# making everything lowercase for easy matching
old = old %>% mutate(COUNTY = str_to_lower(COUNTY),
                     name = str_to_lower(name),
                     state = str_to_lower(state),
                     city = str_to_lower(city))
# making county_name formatted the same
new = new %>% mutate(county name = str to lower()
 str_replace(county_name, '\\sCounty\\s*', '')),
 name = str_to_lower(name),
 state = str_to_lower(state),
 city = str_to_lower(city))
```

make f_addr and f_name

```
new = new %>%
  mutate(f_addr = sorted(.$street_address), .after = street_address) %>%
  mutate(f_name = sorted_names(.$name), .after = name)

old = old %>%
  mutate(f_addr = sorted(.$address), .after = address) %>%
  mutate(f_name = sorted_names(.$name), .after = name)

old = old %>%
  mutate(
    date_open = ymd(date_open),
```

```
date_close = ymd(date_close)
  )
old = old \%
  mutate(
   addr_zip_county = pasteO(f_addr, "_", zip, "_", COUNTY),
   name_zip_county = pasteO(f_name, "_", zip, "_", COUNTY),
    siteid zip = paste0(siteid, " ", zip)
  )
new = new \%>\%
 mutate(
   addr_zip_county = paste0(f_addr, "_", zipcode, "_", county_name),
   name_zip_county = pasteO(f_name, "_", zipcode, "_", county_name),
   siteid_zip = paste0(siteid, "_", zipcode)
old = old \%>%
  mutate(
    fixed_date_open = date_open
 )
# fix the dates where both date_open and date_close are NA
old = old \%
 mutate(
    fixed_date_open = case_when(
      is.na(date_open) & is.na(date_close) ~ as.Date("1993-01-01"),
     TRUE ~ fixed_date_open
    ).
    flag both dates missing = is.na(date open) & is.na(date close)
find duplicates = function(clinic, all clinics) {
# flow: for a given clinic, find other clinics where either f_addr & zip matches or f_name & zip matche
 potential_dups = all_clinics %>%
   filter(
      siteid != clinic$siteid, # not itself
      addr_zip_county == clinic$addr_zip_county | name_zip_county == clinic$name_zip_county
    )
 return(potential_dups)
# Find matches between new and old based on a key (siteid, name_zip_county, addr_zip_county)
find_matches = function(new_clinic, old_data, match_key) {
  if (match_key == "siteid_zip") {
    matches = old_data %>% filter(siteid_zip == new_clinic$siteid_zip)
  } else if (match_key == "name_zip_county") {
    matches = old_data %>% filter(name_zip_county == new_clinic$name_zip_county)
  } else if (match key == "addr zip county") {
    matches = old_data %>% filter(addr_zip_county == new_clinic$addr_zip_county)
 } else {
```

```
stop("Invalid match_key")
  }
 return(matches)
# Check if duplicates reopened within 31 days
check_reopening_31_days <- function(matches) {</pre>
  if (nrow(matches) < 2) return(FALSE)</pre>
  matches <- matches %>%
    arrange(date_open) # sort by date_open
  reopen_diffs <- difftime(matches$date_open[-1], matches$date_close[-nrow(matches)], units = "days")
  any(reopen_diffs >= 0 & reopen_diffs <= 31, na.rm = TRUE)</pre>
}
reopened_within_31_days = function(clinic, potential_dups) {
# Flow: for this one clinic `clinic`, find all potential duplicates and check if any of them reopened w
  if (nrow(potential_dups) == 0) {
    return(FALSE)
  }
# takes the duplicates and calculates the amount of time between their date_open and the closure date o
  potential_dups = potential_dups %>%
    mutate(days_diff = as.numeric(difftime(date_open, clinic$date_close, units = "days")))
# returns TRUE if any clinic's opening date was within 31 days of clinic i's closure date.
  any(potential_dups$days_diff >= 0 & potential_dups$days_diff <= 31, na.rm = TRUE)
# na_open_present_close = old %>%
   filter(is.na(date_open) & !is.na(date_close))
#
#
# old = old %>%
   mutate(
#
#
      flag_open_na_close_present = FALSE,
#
      flag_duplicate_found = FALSE,
#
     flag_reopened_within_31 = FALSE
#
#
# for (i in 1:nrow(na_open_present_close)) {
#
   clinic = na_open_present_close[i, ]
#
#
   dups = find_duplicates(clinic, old)
```

```
#
#
#
    old idx = which(old$siteid == clinic$siteid)
#
#
#
    old$flag_open_na_close_present[old_idx] = TRUE
#
#
#
    old$flag_duplicate_found[old_idx] = nrow(dups) > 0
#
#
#
    if (nrow(dups) > 0) {
#
#
      reopened = reopened_within_31_days(clinic, dups)
#
#
#
      old$flag_reopened_within_31[old_idx] = reopened
#
#
#
      if (reopened) {
#
#
        old$fixed_date_open[old_idx] = as.Date("1993-01-01")
#
      } else {
#
        dup_min_open = min(dups$date_open, na.rm = TRUE)
#
        if (!is.na(dup_min_open) && clinic$date_close <= dup_min_open) {</pre>
#
#
#
          old$fixed_date_open[old_idx] = as.Date("1993-01-01")
#
#
#
   } else {
#
#
      old$fixed_date_open[old_idx] = as.Date("1993-01-01")
#
# }
# 1. Initialize flag columns (run BEFORE the loop)
old = old \%
  mutate(
    flag_open_na_close_present = FALSE,
    flag_duplicate_found = FALSE,
    flag_reopened_within_31 = FALSE
  )
# 2. Filter target clinics
na_open_present_close = old %>%
  filter(is.na(date_open) & !is.na(date_close))
# 3. Loop through each such clinic
for (i in 1:nrow(na_open_present_close)) {
  clinic = na_open_present_close[i, ]
  dups = find_duplicates(clinic, old)
  old_idx = which(old$siteid == clinic$siteid)
```

```
# Flag basic condition
  old$flag_open_na_close_present[old_idx] = TRUE
  old$flag duplicate found[old idx] = nrow(dups) > 0
  if (nrow(dups) > 0) {
    # Check if any duplicate reopened within 31 days
   reopened = reopened_within_31_days(clinic, dups)
   old$flag_reopened_within_31[old_idx] = reopened
    # Check if any duplicate opened before this clinic closed
    opened_before_close = any(!is.na(dups$date_open) & dups$date_open < clinic$date_close)
    if (reopened && !opened_before_close) {
      # Case 1: Reopened quickly, and no earlier clinics - assume this is the original
      old$fixed_date_open[old_idx] = as.Date("1993-01-01")
   } else if (!reopened) {
      # Case 2: Not reopened - check for earliest known opening
      if (all(is.na(dups$date_open))) {
        # No known openings → assume this came first
        old$fixed date open[old idx] = as.Date("1993-01-01")
      } else {
        dup_min_open = min(dups$date_open, na.rm = TRUE)
        if (clinic$date_close <= dup_min_open) {</pre>
          # Clinic closed before any other opened
          old$fixed date open[old idx] = as.Date("1993-01-01")
       }
     }
   }
  } else {
    # Case 3: No duplicates - assume this is the first known clinic
    old$fixed_date_open[old_idx] = as.Date("1993-01-01")
  }
}
# Find clinics in old where date_open is not NA but date_close is NA
open present close na = old %>%
  filter(!is.na(date_open) & is.na(date_close))
# More flags
old = old \%
 mutate(
   flag_open_present_close_na = FALSE,
   flag open present close na duplicate found = FALSE,
   flag_duplicate_came_first = NA,
    flag_fixed_due_to_earlier_duplicate = FALSE
  )
# Loop again through each clinic in open_present_close_na
for (i in 1:nrow(open_present_close_na)) {
  clinic = open_present_close_na[i, ]
  # Find potential duplicates for this clinic
  dups = find_duplicates(clinic, old)
```

```
# Get this clinic's index in old
  old_idx = which(old$siteid == clinic$siteid)
  old$flag open present close na[old idx] = TRUE
  old$flag_open_present_close_na_duplicate_found[old_idx] = nrow(dups) > 0
  # If at least one duplicate is found
  if (nrow(dups) > 0) {
   dups_with_earlier_open = dups %>%
      filter(
        # Filter duplicates with not NA date open and the date open is less than clinic i's date open
        (!is.na(date_open) & date_open < clinic$date_open) |
          # Filter duplicates with not NA date open and the date close is less than clinic i's date ope
        (!is.na(date_close) & date_close < clinic$date_open)</pre>
      )
    earlier_than_open = nrow(dups_with_earlier_open) > 0
   old$flag_duplicate_came_first[old_idx] = earlier_than_open
   if (earlier_than_open) {
      # Filter duplicates that came before clinic i that have NA date open
      dups_needing_fix = dups_with_earlier_open %>%
        filter(is.na(date_open))
      if (nrow(dups_needing_fix) > 0) {
        old = old %>%
          mutate(
            # Change these date opens to 1993
            fixed_date_open = if_else(
              siteid %in% dups_needing_fix$siteid,
              as.Date("1993-01-01"),
              fixed_date_open
            ),
            flag_fixed_due_to_earlier_duplicate = if_else(
              siteid %in% dups_needing_fix$siteid,
              flag_fixed_due_to_earlier_duplicate
            )
          )
     }
   }
 }
}
  mutate(fixed_date_open = as.Date(fixed_date_open))
match_new_to_old = function(new_data, old_data) {
 results = list()
 for (i in 1:nrow(new_data)) {
   new_clinic = new_data[i, ]
```

```
matched_by_id = FALSE
matched_by_name = FALSE
matched_by_addr = FALSE
matched_clinics = tibble()
# Check each matching method separately
matches id = find matches(new clinic, old data, "siteid zip")
if (nrow(matches id) > 0) {
  matched_by_id = TRUE
  matches_id = matches_id %>% mutate(match_method = "siteid_zip")
  matched_clinics = bind_rows(matched_clinics, matches_id)
}
matches_name = find_matches(new_clinic, old_data, "name_zip_county")
if (nrow(matches_name) > 0) {
  matched_by_name = TRUE
  matches_name = matches_name %>% mutate(match_method = "name_zip_county")
  matched_clinics = bind_rows(matched_clinics, matches_name)
}
matches_addr = find_matches(new_clinic, old_data, "addr_zip_county")
if (nrow(matches_addr) > 0) {
  matched_by_addr = TRUE
  matches_addr = matches_addr %>% mutate(match_method = "addr_zip_county")
  matched_clinics = bind_rows(matched_clinics, matches_addr)
}
if (nrow(matched_clinics) == 0) {
  results[[i]] = new_clinic %>%
    mutate(
      by_id = FALSE,
      by_name = FALSE,
      by_addr = FALSE,
     match_found = FALSE,
     flag_multiple_matches = FALSE,
     flag_missing_date = FALSE,
     flag tie open = FALSE,
     fixed_siteid = NA,
     fixed_date_open = NA,
     within_31_days = NA,
     max_date = NA
    )
} else {
  match_found = TRUE
  missing_date = any(is.na(matched_clinics\fixed_date_open))
  reopening_within_31 = check_reopening_31_days(matched_clinics)
  if (reopening_within_31) {
    within_31_days = TRUE
    earliest_date = min(matched_clinics$fixed_date_open, na.rm = TRUE)
    matches_earliest = matched_clinics %>% filter(fixed_date_open == earliest_date)
```

```
tie_open = nrow(matches_earliest) > 1
        fixed_siteid = paste(matches_earliest$siteid, collapse = ";")
        fixed_date_open = earliest_date
        flag_multiple_matches = tie_open
        max_date = FALSE
      } else {
        within_31_days = FALSE
        fixed_siteid = paste(matched_clinics$siteid, collapse = ";")
        valid_dates = matched_clinics %>% filter(!is.na(fixed_date_open))
        if (nrow(valid_dates) == 0) {
         max_date = NA
          fixed_date_open = NA
        } else if (any(matched_clinics\flag_reopened_within_31 == TRUE)) {
          t_reopen = matched_clinics %>% filter(flag_reopened_within_31 == TRUE)
          if (all(is.na(t_reopen$fixed_date_open))) {
           fixed_date_open = NA
          } else {
            fixed_date_open = min(t_reopen$fixed_date_open, na.rm = TRUE)
         max_date = FALSE
        } else {
          max_date = TRUE
          fixed_date_open = max(valid_dates$fixed_date_open)
       }
        flag_multiple_matches = TRUE
       tie_open = NA
     }
     results[[i]] = new_clinic %>%
        mutate(
          by_id = matched_by_id,
          by_name = matched_by_name,
          by_addr = matched_by_addr,
          match_found = match_found,
          within_31_days = within_31_days,
          flag_multiple_matches = flag_multiple_matches,
          flag_missing_date = missing_date,
          flag_tie_open = tie_open,
          fixed_siteid = fixed_siteid,
         fixed_date_open = fixed_date_open,
         max_date = max_date
   }
  }
 final_results = bind_rows(results)
 return(final_results)
}
matched_new = match_new_to_old(new, old)
```

```
vec_names = names(matched_new)[-c(3, 5, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22)]
matched_new = matched_new %>% select(all_of(vec_names), siteid_zip, name_zip_county, addr_zip_county, w
matched new %>% filter(fixed date open == Inf)
## # A tibble: 0 x 21
## # i 21 variables: siteid <chr>, name <chr>, street_address <chr>, city <chr>,
       state <chr>, zipcode <chr>, county_name <chr>, by_id <lgl>, by_name <lgl>,
       by_addr <lgl>, match_found <lgl>, within_31_days <lgl>,
       flag_multiple_matches <lgl>, flag_missing_date <lgl>, flag_tie_open <lgl>,
## #
       fixed_siteid <chr>, fixed_date_open <date>, max_date <lgl>,
       siteid_zip <chr>, name_zip_county <chr>, addr_zip_county <chr>
nrow(matched_new %% filter(!is.na(fixed_date_open))) # Found 376 dates (now 373)
## [1] 373
nrow(matched_new %% filter(is.na(fixed_date_open))) # Missing 89 dates (now 92)
## [1] 92
together = list()
NA_matched_new = matched_new %>% filter(is.na(fixed_date_open))
NA_matched_new_siteid = NA_matched_new %>% pull(siteid)
NA_matched_new_in_old = old %>% filter(siteid %in% NA_matched_new_siteid)
nrow(NA_matched_new_in_old) # 33
## [1] 35
for (i in 1:nrow(NA_matched_new_in_old)) {
  clinic = NA_matched_new_in_old[i, ]
  id = clinic %>% pull(siteid)
  clinic_in_new = new %>% filter(siteid == id) %>% mutate(from = "new")
  clinic_in_old = old %>% filter(siteid == id) %>% mutate(from = "old")
  dups = find_duplicates(clinic, old) %% mutate(from = "duplicate in old")
  together = bind rows(together, bind rows(clinic in new, clinic in old, dups))
}
together = together %>%
  mutate(zipcode = coalesce(zipcode, zip)) %>%
  select(siteid, name, f_name, f_addr, city, zipcode, fixed_date_open, date_close, from)
NA_with_old = NA_matched_new %>%
  left_join(NA_matched_new_in_old, by = c("siteid" = "siteid", "city" = "city"), suffix = c(".new", ".o
matched_fix = NA_with_old %>%
  filter(!is.na(fixed_date_open.old)) %>%
  select(siteid, fixed_date_open.old)
```

```
matched_new_it2 = matched_new %>%
  left_join(matched_fix, by = "siteid") %>%
  mutate(fixed_date_open = if_else(is.na(fixed_date_open) & !is.na(fixed_date_open.old), fixed_date_open
         bad_zipcode = if_else(!is.na(fixed_date_open.old), TRUE, FALSE)) %>%
  select(-fixed_date_open.old)
nrow(matched_new_it2 %% filter(is.na(fixed_date_open))) # Missing 61 dates (now 63)
## [1] 63
# checked the extra two and it's good (vidor clinics)
remaining = matched_new_it2 %% filter(is.na(fixed_date_open)) %% pull(siteid)
remaining_in_old = old %>% filter(siteid %in% remaining)
# There are 5 clinics in matched_new_it2 that exist in old as well.
nrow(remaining_in_old)
## [1] 6
remaining_ids = remaining_in_old %>% pull(siteid)
remaining_in_matched = matched_new_it2 %>% filter(siteid %in% remaining_ids)
check = bind_rows(remaining_in_matched, remaining_in_old) %>% arrange(siteid)
# I manually checked these 5 (now 6) clinics. They appear to have moved cities. Therefore, will remain
matched_finalized = matched_new_it2 %>% select(-c(flag_tie_open, fixed_siteid, flag_multiple_matches))
# Note that if bad_zipcode is TRUE then the previous fixed_date_open would've been NA
sam = read_csv("/Users/teorichard/Downloads/UCD Research/Texas_WIC_Research_Files/MergedMatchTeoSam.csv
## Rows: 465 Columns: 26
## -- Column specification -----
## Delimiter: ","
## chr (10): name, address, city, phone, email, date_open, street_address, sta...
         (7): siteid, zip, sample_date, BY_SITEID, BY_ADDRESS, BY_NAME, zipcode
         (8): COUNTY, date_close, by_id, by_name, by_addr, match_found, flag_mi...
## lgl
## date (1): fixed_date_open
## i Use `spec()` to retrieve the full column specification for this data.
## i Specify the column types or set `show_col_types = FALSE` to quiet this message.
sam = sam %>% mutate(siteid = as.character(siteid))
sam %>% select(siteid, name, address, zip, date_open, fixed_date_open) %>%
 filter(date_open != fixed_date_open)
## # A tibble: 21 x 6
##
     siteid name
                                           address zip date_open fixed_date_open
##
      <chr> <chr>
                                           <chr>
                                                  <dbl> <chr>
                                                                   <date>
                                           218 s ~ 78621 2009-02-~ 1994-01-01
## 1 129
            elgin
## 2 1217 mission ii
                                           722 n ~ 78572 1994-05-~ 1993-01-01
## 3 1218 mcallen ii
                                           220 s ~ 78501 1995-04-~ 1993-01-01
```

```
pharr ii
## 4 1224
                                            300 w ~ 78577 1999-01-~ 1993-01-01
## 5 1228 mobile unidos podemos
                                            3105 w~ 78539 2002-06-~ 1996-07-22
## 6 3001
           city of port arthur health de~ 5860 9~ 77642 1993-01-~ 1999-08-10
## 7 3908
                                            1402 b~ 75638 2010-01-~ 1996-12-01
           daingerfield
## 8 3917
            jefferson
                                            1113 n~ 75657 1998-11-~ 1993-01-01
## 9 3919
                                           446 w ~ 75633 1998-11-~ 1993-01-01
            carthage
## 10 4808
            southeast center
                                           3737 r~ 77503 1996-08-~ 1993-01-01
## # i 11 more rows
names(sam)
## [1] "siteid"
                            "name"
                                                "address"
## [4] "city"
                            "zip"
                                                "COUNTY"
## [7] "date close"
                            "sample date"
                                                "phone"
## [10] "email"
                            "BY_SITEID"
                                                "BY_ADDRESS"
## [13] "BY NAME"
                                                "street address"
                            "date_open"
## [16] "state"
                            "zipcode"
                                                "county_name"
## [19] "by id"
                            "by_name"
                                                "by addr"
## [22] "match_found"
                            "flag_missing_date" "fixed_date_open"
## [25] "bad_zipcode"
                            "_merge"
left_join(sam, matched_finalized, by = "siteid", suffix = c("", ".y")) %>%
  mutate(fixed_date_open = fixed_date_open.y) %>%
  select(names(sam)) %>% select(siteid, name, street_address, zip, date_open, fixed_date_open)
## # A tibble: 465 x 6
##
      siteid name
                                     street_address
                                                      zip date_open fixed_date_open
      <chr> <chr>
                                     <chr>
                                                    <dbl> <chr>
            st johns community cen~ 7500 Blessing~ 78752 1993-01-~ 1993-01-01
## 1 104
## 2 105
            northwest
                                     8701 Research~ 78758 1993-11-~ 1993-11-15
## 3 107
           montopolis neighborhoo~ 2901 Montopol~ 78741 1993-01-~ 1993-01-01
## 4 109
            far south
                                    405 W Stassne~ 78745 1993-01-~ 1993-01-01
## 5 112
                                     5811 Palo Bla~ 78744 1993-03-~ 1993-03-15
            dove springs
## 6 114
            manor
                                    14008 Shadowg~ 78653 1993-01-~ 1993-01-01
## 7 115
            pflugerville
                                    15822-B Footh~ 78660 1993-01-~ 1993-01-01
## 8 121
            del valle
                                    3518 FM 973
                                                    78617 1993-01-~ 1993-01-01
                                     605 Old Austi~ 78602 2009-02-~ 2009-02-02
## 9 128
            bastrop
## 10 129
             elgin
                                     218 South Mai~ 78621 2009-02-~ 1994-01-01
## # i 455 more rows
nomatch NA = matched finalized %>% filter(is.na(fixed date open))
manual fixes = tibble(
  siteid = c("7717", "9003", "13126", "13195", "13306", "6411", "6902", "5110", "5111", "332",
             "4210", "13172", "13161", "11002", "13020", "13025", "13124", "13018", "13115",
             "13151", "13030", "13041", "3317"),
  fixed_date_open = as.Date(c("2006-10-01", "1994-10-01", "1993-09-01",
                              "1998-01-01", "1993-01-01", "1997-02-03",
                              "1993-01-01", "1993-01-01", "1995-04-04",
                              "1993-01-01", "1993-01-01", "1998-01-15",
                              "1993-01-01", "2005-10-01", "1994-05-01",
                              "1994-05-01", "1993-09-01", "1994-10-05",
                              "1993-01-01", "1995-05-03", "1996-10-01",
                              "1996-01-01", "1995-02-01"
                              ))
```

```
) %>% mutate(
 manual_date_change = TRUE
leave_NA = tibble(
  siteid = c("3925", "742", "743", "13307", "6110", "13153", "13197",
             "13198", "2209", "7723", "2908", "2901", "4602", "1112",
             "6307", "13308", "13305", "6410", "8964", "5935", "5914",
             "8963", "5915", "1318", "1322", "1320", "8965", "8967",
             "4305", "13029", "13021", "13024", "13123", "13005", "13009",
            "13008", "13002", "13004", "13010", "13003"
            ),
  why_NA = c("city mismatch", "not found", "not found", "not found", "not found",
             "not found", "not found", "city mismatch", "not found", "not found",
             "county mismatch", "not found", "city mismatch", "not found",
             "FOUND, NA date", "not found", "not found", "not found", "not found",
             "not found", "not found", "not found", "not found",
            "not found", "not found", "city mismatch", "not found", "not found",
             "not found", "not found", "not found", "city mismatch",
             "not found", "not found", "not found", "not found",
             "not found"
            )
)
manual bad zip = tibble(
 siteid = c("6411", "7717", "9003", "332", "4210", "13018", "13030", "3317"),
  bad_zipcode = TRUE
manual_matched_finalized = left_join(matched_finalized, manual_fixes, by = "siteid", suffix = c("", ".y
  mutate(fixed_date_open = coalesce(fixed_date_open, fixed_date_open.y)) %>%
  left_join(leave_NA, by = "siteid") %>%
  left_join(manual_bad_zip, by = "siteid", suffix = c("", ".y")) %>%
  mutate(bad_zipcode = case_when(
   bad_zipcode == FALSE & bad_zipcode.y == TRUE ~ TRUE,
   bad_zipcode == TRUE & is.na(bad_zipcode.y) ~ TRUE,
   TRUE ~ FALSE
  )) %>%
  select(all_of(names(matched_finalized)), manual_date_change, why_NA)
manual_matched_finalized %>% filter(is.na(fixed_date_open))
## # A tibble: 40 x 21
##
      siteid name
                      street_address city state zipcode county_name by_id by_name
                                     <chr> <chr> <chr>
##
      <chr> <chr>
                      <chr>
                                                         <chr>
                                                                     <lg1> <lg1>
## 1 3925 gun barr~ 1901 W Main St gun ~ tx
                                                 75156
                                                         henderson
                                                                     FALSE FALSE
## 2 742
            fruitdal~ 4408 Vandervo~ dall~ tx
                                                 75216
                                                         dallas
                                                                     FALSE FALSE
## 3 743
            healing ~ 5750 Pineland~ dall~ tx
                                                 75231
                                                         dallas
                                                                     FALSE FALSE
## 4 13307 buffalo ~ 942 North Hil~ buff~ tx
                                                 75831
                                                                     FALSE FALSE
                                                         leon
## 5 6110
            kirbyvil~ 204 MLK Ave
                                                 75956
                                                                     FALSE FALSE
                                     kirb~ tx
                                                         newton
## 6 13153 nocona w~ Community Cen~ noco~ tx
                                                 76255
                                                                     FALSE FALSE
                                                         montague
## 7 13197 comanche~ 209 W Duncan ~ coma~ tx
                                                 76442
                                                         comanche
                                                                     FALSE FALSE
## 8 13198 de leon ~ Old Hotel Apa~ de l~ tx
                                                 76444
                                                         comanche
                                                                     FALSE FALSE
## 9 2209
           south 18~ 1800 Gurley Ln waco tx
                                                 76706
                                                         mclennan
                                                                    FALSE FALSE
```

```
## 10 7723 lone sta~ 605 S Conroe ~ conr~ tx 77304 montgomery FALSE FALSE
## # i 30 more rows
## # i 12 more variables: by_addr <lgl>, match_found <lgl>, within_31_days <lgl>,
## # flag_missing_date <lgl>, fixed_date_open <date>, max_date <lgl>,
## # siteid_zip <chr>, name_zip_county <chr>, addr_zip_county <chr>,
## # bad_zipcode <lgl>, manual_date_change <lgl>, why_NA <chr>
# knitr::purl("texas_merge_try_again.Rmd", output = "texas_merge_setup.R")
```